BRITISH COLUMBIA
Ministry of Energy and Mines
Energy and Minerals Division
Geological Survey Branch

GeoLogos

A collection of word puzzles with geological and mineral themes

By Nick Massey and Dorthe Jakobsen

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Rocks I

T A C E I N R H Y O L I T E L E B A S A L T
E E S I E T I T A M G E P T E T I R O I D A
N N D T N E T I M O L O D E N O T S D U M I
E H O G R A N O D I O R I T E C I T S A L C
G O G I I A C T E T I T O D I R E P L A L C
I R D N S C T L S Y N F P H Y L L I T E A E
F N A E E U O U O E O R E T E R P S B E C R
S F A N S I R N M V D V A T U A L U N O I B
E E U S I A S T G C R I I K T C U O D D M V
T L R T E T B S N L L L M O S O T E U S E O
I S D P C T E A E I O A E E D S O N N L H L
S D Y H E G I N I B L M Y N N E N G I A C C
E O K E A N O L I D N E E E O T T I T T L A
D A E B T T T H L E T E E R S T A A E E I N
N C B R S I P I T I N R C Y A I S R I R M O
A R E T T M N I N O G I I S Z T L D Y L E T
O T L R A B Z E T I N R H P E L E L N I O U
C I E C E T X S Y O T A A O B S I D I A N F
S H O A R O E A T S L E T T S I H C S T S Y
C A V A R M A U B E D M E T A M O R P H I C
L A U Y I E L B R A M Y R Y H P R O P S O E
L Q P L U P T R A C H Y T E Y H E T I C A D

amphibolite
andesite
argillite
basalt
bed
breccia
clastic
clay
chemical
chert
coal
conglomerate
dacite
diabase
diorite
dolomite
dunite
dyke
foliated
gabbro
gneiss
granite
granodiorite
greenstone
hornfels
igneous
intrusion
volcanic
lava
limestone
marble
metamorphic
mudstone
obsidian
pegmatite
peridotite
phyllite
pluton
plutonic
porphyry
pyroxenite
quartzite
rhyolite
sandstone
schist
sedimentary
serpentinite
shale
siltstone
sill
skarn
slate
stratum
syenite
trachyte
tuff
volcano

Rocks II

E T I M O L O D T P N C P Y R O X E N I T E
R D N R A K S E T I T O D I R E P E E H D O
I E S E N O T S D N A S I N E T I C A D U E
E T I R O I D O N A R G E S K E R E G T N T
B A R P H T R A C H Y T E E U I T R U C I I
A I L G O I I C P P N S E S G R A I S C T R
S L L E R H Y O L I T E I N T N T E N S E O
A O A N N M E N U E S M E L I R D N T E B I
L F C O F A S G T L L O U T T I A I I S Y D
T T I T E R A L O A U A E D M S B T I N P S
E C M S L B B O N S R S H E S A T D U E H Y
E U E N S L A M B C C G N S M T I O T M Y R
N V H E S E I E D I I T I P E A O I N G L Y
O O C E L D D R N C A H H L N T T N N E Q H
T L C R A E O A I R P I P R L A I E E U S P
S C I G T B C T Y H B S A R M I I S A T T R
E A N N E L S E Y O C I C G O S T R E U A O
M N O S O A Y L L H C H E S S M T E F D P P
I O T V L A L I I C E P E N T Z A F L E N L
L S U C L I T S E R P E N T I N I T E O L A
N C L C T E T R T L A O C T D Y K E E I I T
R N P E O R B B A G I B E L A V A I S M T S

amphibolite
andesite
argillite
basalt
bed
breccia
clastic
clay
chemical
chert
coal
conglomerate
dacite
diabase
diorite
dolomite
dunite
dyke
foliated
gabbro
gneiss
granite
granodiorite
greenstone
hornfels
igneous
intrusion
volcanic
lava
limestone
marble
metamorphic
mudstone
obsidian
pegmatite
peridotite
phyllite
pluton
plutonic
porphyry
pyroxenite
quartzite
rhyolite
sandstone
schist
sedimentary
serpentinite
shale
siltstone
sill
skarn
slate
stratum
syenite
trachyte
tuff
volcano

Minerals and their Properties I

T E T I M O R H C E T A G A E T I R O L H C E I
E A A Z L A T S Y R C S E C T I L E C H E D D C
S T S M E V E R M I C U L I T E L X G T E U E I
T P I T C O C T O G A L E N A H E Y I G C T A L
D T H V E I L M A G N E T I T E P G A T I Y T L
I S I A O E T I E L N T I A I S U V I N B R E A
A V L R L C T E T L C F R E U A A L O A V S P T
T E M U M E S I N E E O H M T E E D R O A Y E E
O T A O O A R U M G S R P N L I O I E L H T L M
M I L D P M G I M O A M E C Z H T T C T R A D E
I R A O Y I E N T R L M N O R E I O R A D B M K
T Y C E R C P E E E C O U C E L H A H I O A A G
E P H P O A I D R S O L D T R T E E O R S E E L
C O I Y X H D A T D I V I E R R D Y N S R C I A
I C T R E P O J U M G T P O A R R I I T O Y L S
N L E O N Y T R O L A E E P I T T V S L C E P S
N A O P E R E N N M L C S T O E E R O B N U N Y
A H P H R I I E E B P D E B S E R U T C A R F Y
B C A Y E T L H A O L I V I N E R R E V L I S C
A A L L E E H T C E I E A R S E N O P Y R I T E
R C A L C I T E F G A R N E T G E T I T O I B E
T T S I D E R I T E O P H D D O O A Z U R I T E
T S O T S E B S A I P Y R O E L M Z T R A U Q L
I P L E A E L O B I H P M A E D G I L U S T R E

agate
amphibole
arsenopyrite
asbestos
augite
azurite
barite
biotite
bornite
calcite
chalcopyrite
chlorite
chromite
cinnabar
diatomite
dolomite
epidote
feldspar
galena
garnet
gold
gypsum
hematite
hornblende
jade
limonite
magnesite
magnetite
malachite
mica
muscovite
nephrite
olivine
opal
orthoclase
perlite
plagioclase
pyrite
pyrophyllite
pyroxene
pyrrhotite
quartz
rhodonite
siderite
silver
sphalerite
talc
tetrahedrite
vermiculite
zeolite
botryoidal
cleavage
colour
crystal
ductile
earthy
form
fracture
glassy
lustre
magnetic
massive
metallic
odour
sectile
streak
taste

Minerals and their Properties II

R E I E H A Z E M M M U S P Y G F L O B R Q E A
U Y S P T E N A N S U V L S T E N R A G E U O S
O R O M O I S E E E E S A A L C T E N P V A L P
L C E L E S T C L R X I C D Y H A A E A L R B H
O I I L I T T O M A E O S O O E U R P O I T O A
C T U V O I A I H T G P R C V T G T H B S Z T L
E E E O L B C L I R A M L Y E I I H R O J O R E
E N D E P U I T L R R A A T P T T Y I R A T Y R
T G I N L L E H D I S Y I G E A E E T N D A O I
I A E I E N A L P E C R P N N M B L E I E S I T
T M T E G L O G E M E T I R D E H A R T E T D E
O E N A T G B R I D A V R A C H S A R E A E A L
I E M E K I A N I O I A G A E O S I M I E A L U
B L G I Z A L S R L C A R M B B E O T T T E Y S
L I E L Y E E L O O T L I S E A E T I E T E S T
I T T A D T C R Y E H C A S E R N R I I O C S R
M C I T I I L H T H A L T S U N Y N C M D N A E
O U M S A R E O E S P O A T E P O L I P O A L T
N D O Y T U A D P O S O C P O I A P E C U R G I
I G L R O Z V O I O T A R C O C Y Z Y T R T H U
T Y O C M A A N D B R I L Y A C H L O R I T E C
E P D T I O G I O F T A E U P N C L A T I R A C
D T E T T R E T T R H E O P E R L I T E P T Y C
M R O F E T R E E C E T I H C A L A M E T A E P

agate
amphibole
arsenopyrite
asbestos
augite
azurite
barite
biotite
bornite
calcite
chalcopyrite
chlorite
chromite
cinnabar
diatomite
dolomite
epidote
feldspar
galena
garnet
gold
gypsum
hematite
hornblende
jade
limonite
magnesite
magnetite
malachite
mica
muscovite
nephrite
olivine
opal
orthoclase
perlite
plagioclase
pyrite
pyrophyllite
pyroxene
pyrrhotite
quartz
rhodonite
siderite
silver
sphalerite
talc
tetrahedrite
vermiculite
zeolite
botryoidal
cleavage
colour
crystal
ductile
earthy
form
fracture
glassy
lustre
magnetic
massive
metallic
odour
sectile
streak
taste

Gold in B.C. I

Y T W E E Z E R S O E S G N I L I A T E N M
R I L C P I C K W I L L I A M S C R E E K I
U O M A G N E T I T E R R S R P L A C E R A
C C T R O R E G R A V E L A E T I R Y P T L
R E V I R R E S A R F V D L R E M T S A E C
E D Z B N E N E B B G I N G D D O E T Z G X
M L Z O V O T G H Y D R A U L I C K I N G O
O P L O U F M D R G O N S O O N T C N A U B
S T R I K E L E R G R O K D W A F U C N N E
P T T O V S O R F O B S C C A Y A B Y O O C
S A Q V S R E D C P R P A O T C H I L B K I
P A Y U E P E K K R U M L L E Y S E V E E U
L U N S A D E K A O S O B O R V V E E L N L
E S N D T R O C R L H H P U W O I R Z T O S
I Y O A B R T L T A F T O R H N C Z L S T A
B A U O E A E Z R O B B K S E I O O A U F M
G N X B E L R A R E R E E T E N R A G D I A
E E N A P R C U K S H G B U L L D O Z E R L
B T I R D E W D N E Y T R A I L V E C A D G
G O L D P A N E M U L F O G N I N N A P D A
E O T A M A R I F F L E E M C R E N I M R M
A K A S A W A T E R A V I C T O R I A L E O

amalgam
black sand
bonanza
brush
bucket
bulldozer
claim
clean-up
colour
creek
cyanide
dredge
drift
dust
flakes
flume
garnet
gold pan
gravel
hydraulicking
magnetite
mercury
miner
monitor
motherlode
nozzle
nugget
ore
panning
paystreak
pick
placer
poke
prospector
pyrite
quartz
riffle
rocker box
sandbar
shaft
shovel
sluice box
strike
tailings
tweezers
vein
water
waterwheel
Atlin
Barkerville
Begbie
Cariboo
Dewdney Trail
Douglas
Fraser River
Kootenays
Thompson River
Williams Creek
Victoria

Gold in B.C. II

M R B T H O M P S O N R I V E R R A T L I N
I X S H A F T C E L L I V R E K R A B R G E
N K O F V Z Y M N C L E A N U P R L U N T Q
E H C B D I N R S L U I C E B O X O I I B U
R Y Y I R E C A I P T E N R A G L N T R R A
K D A D P E W T N F A I O R E O N E U K O R
A R N M R S K D O O F M N T C A N S E S T B
E A I N I E V C N R B L A E P G H E E E C U
R U D Q E I D R O E I L E L A A R O N K E L
T L E T S U D G A R Y A E M G C H T O A P L
S I C L A I M F E B T T H E S A R R Z L S D
Y C M O T H E R L O D E R M H R M R Z F O O
A K K O O T E N A Y S N A A T W E B L T R Z
P I S N T I S G N I L I A T I V R T E A P E
Q N A E W T L E M U L F L S I L R E A I N R
U G L Y E I O K E L E T I R Y P N F T W A U
A G G R E R O T I N O M R D N A S K C A L B
R R U U Z P P W O A F E B U P C R E E K W D
T A O C E L E K O P S I G D B E G B I E E R
Z V D R R A R E C A L P L C A R I B O O L I
S E Z E S E K I R T S O E D L E V O H S K F
G L E M F E T F N U G G E T E B U C K E T T

amalgam
black sand
bonanza
brush
bucket
bulldozer
claim
clean-up
colour
creek
cyanide
dredge
drift
dust
flakes
flume
garnet
gold pan
gravel
hydraulicking
magnetite
mercury
miner
monitor
motherlode
nozzle
nugget
ore
panning
paystreak
pick
placer
poke
prospector
pyrite
quartz
riffle
rocker box
sandbar
shaft
shovel
sluice box
strike
tailings
tweezers
vein
water
waterwheel
Atlin
Barkerville
Begbie
Cariboo
Dewdney Trail
Douglas
Fraser River
Kootenays
Thompson River
Williams Creek
Victoria

MINERALS 'R US

Minerals give us many of the things we use in our everyday lives, from computers to bikes, diaper pins to flashlights, toothpaste to pencils. See if you can match the minerals with their products in the list below. Draw a pencil line between the matching pairs.

Chalcopyrite	Fishing weight
Scheelite	Pop can
Quartz	Table salt
Hematite	Skin cream
Halite	Toothpaste
Bauxite	Wall board
Graphite	Penny
Galena	Thermometer
Sphalerite	Potting soil
Cinnabar	Light bulb
Limestone	Silicon chip
Gypsum	Film
Phosphate rock	Sand paper
Kaolinite	Pencil
Talc	Sculpture
Vermiculite	Jewellery
Garnet	Surgical steel
Gold	Fertilizer
Jade	Talcum powder
Native silver	China plate
Zeolite	Ice skates
Pentlandite	Kitty litter

Can you see any other things made from minerals in your room? How about in your kitchen? Or in your school?

Now try the Wordsearch Puzzle on the next page.

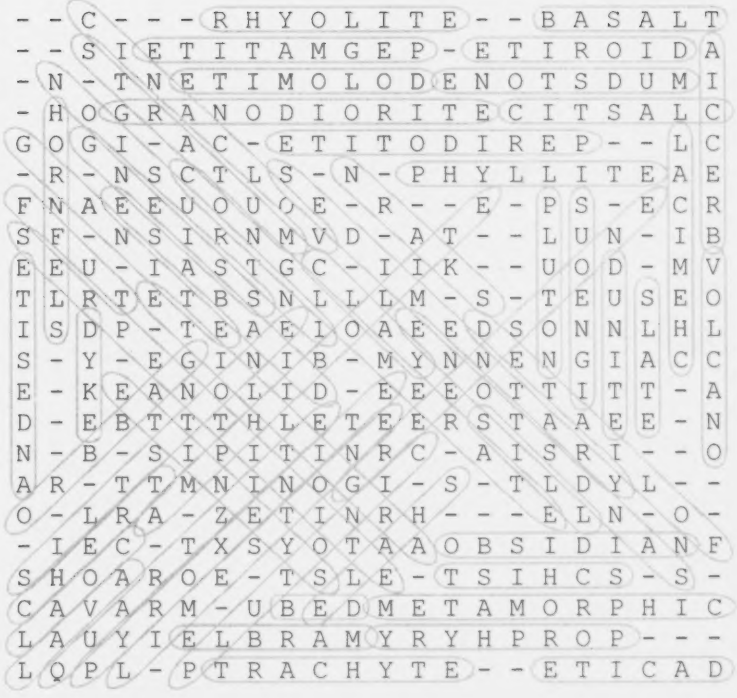
MINERALS 'R US

Wordsearch

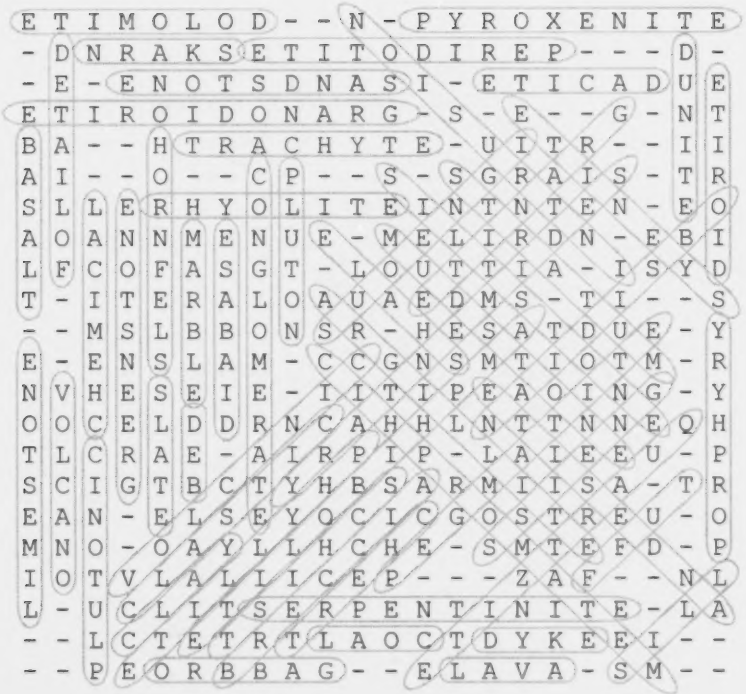
E C L I G H T B U L B E T E Z O B R N R S T
N M H B A U O C L T T R A A N T S A I P A N
O S P I D L O G L I T H L R K A R B H S N A
T I F O N T T R R J P H C C S B E A P C E K
S L M P I A H Y C H I E O P M L L N U U L R
E I S C U L P T U R E R N U T E S N E Q A E
M C D S V O A L D L E I S N R S U I E L G T
I O M I C S S T A T D P A I Y A R C L T H E
L N H L R U T N A T Y R T D S L G I L G V M
S C A K E R E H T G E E T M Y T I R I H E O
I H L I D R P S U R G I C A L S T E E L R M
C I I T W S E D A J L D I L P S W V R T M R
E P T P O P C A N F R K I E A G J L E B I E
S J E H P I B I E A A O N N N T E I T M C H
K E P T M A L R O O S T D I E E W S T A U T
A W M N U J T B L G L P H N K T E E I E L N
T E L X C I L I N A A S R L I I L V L R I L
E L I R L L N I N P I A Y T T T L I Y C T I
S T F I A I T D E F G E O N T A E T T N E C
E L Z W T T I R E T I L O E Z M R A T I P N
R E P E O T S C H E E L I T E E Y N I K R E
R T I P E G R A P H I T E L E H T T K S L P

Bauxite
Chalcopyrite
China plate
Cinnabar
Fertilizer
Film
Fishing weight
Galena
Garnet
Gold
Graphite
Gypsum
Halite
Hematite
Ice skates
Jade
Jewellery
Kaolinite
Kitty litter
Light bulb
Limestone
Native silver
Pencil
Penny
Pentlandite
Phosphate rock
Pop can
Potting soil
Quartz
Sand paper
Scheelite
Sculpture
Silicon chip
Skin cream
Sphalerite
Surgical steel
Table salt
Talc
Talcum powder
Thermometer
Toothpaste
Vermiculite
Wall board
Zeolite

Rocks I
solution


- - C - - - R H Y O L I T E - - B A S A L T
- - S I E T I T A M G E P - E T I R O I D A
- N - T N E T I M O L O D E N O T S D U M I
- H O G R A N O D I O R I T E C I T S A L C
G O G I - A C - E T I T O D I R E P - - L C
- R - N S C T L S - N - P H Y L L I T E A E
F N A E E U O U O E - R - - E - P S - E C R
S F - N S I R N M V D - A T - - L U N - I B
E E U - I A S T G C - I I K - - U O D - M V
T L R T E T B S N L L L M - S - T E U S E O
I S D P - T E A E I O A E E D S O N N L H L
S - Y - E G I N I B - M Y N N E N G I A C C
E - K E A N O L I D - E E E O T T I T T - A
D - E B T T T H L E T E E R S T A A E E - N
N - B - S I P I T I N R C - A I S R I - - O
A R - T T M N I N O G I - S - T L D Y L - -
O - L R A - Z E T I N R H - - - E L N - O -
- I E C - T X S Y O T A A O B S I D I A N F
S H O A R O E - T S L E - T S I H C S - S -
C A V A R M - U B E D M E T A M O R P H I C
L A U Y I E L B R A M Y R Y H P R O P - - -
L Q P L - P T R A C H Y T E - - E T I C A D

Rocks II
solution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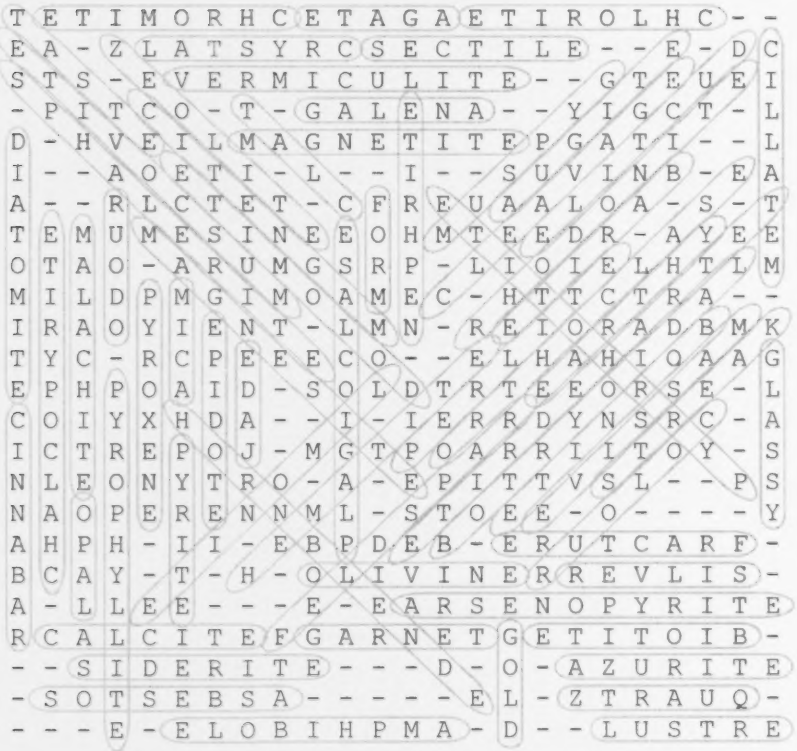
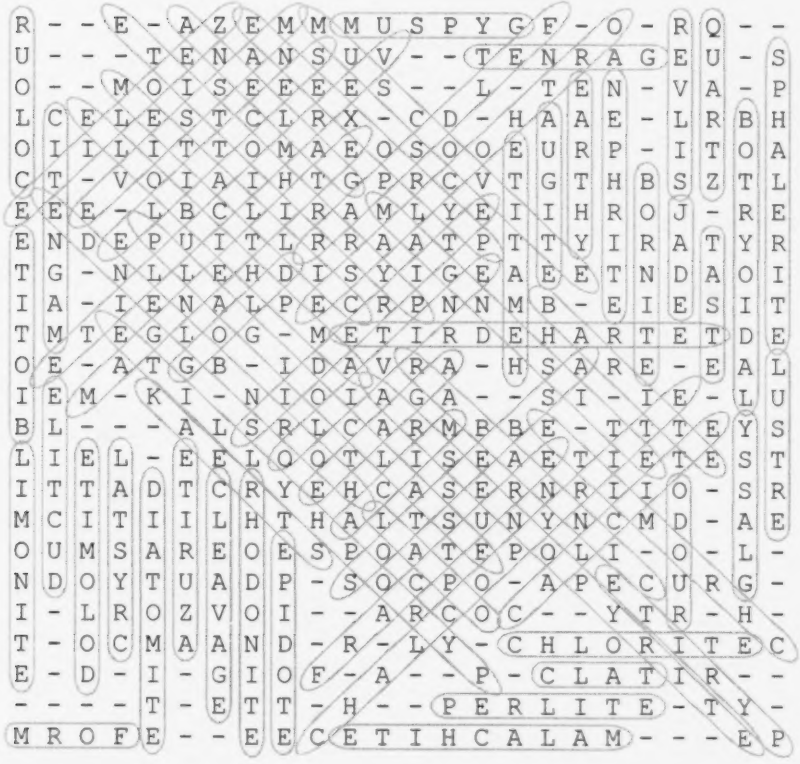
- D N R A K S E T I T O D I R E P - - - D -
- E - E N O T S D N A S I - E T I C A D U E
E T I R O I D O N A R G - S - E - - G - N T
B A - - H T R A C H Y T E - U I T R - - I I
A I - - O - - C P - - S - S G R A I S - T R
S L L E R H Y O L I T E I N T N T E N - E O
A O A N N M E N U E - M E L I R D N - E B I
L F C O F A S G T - L O U T T I A - I S Y D
T - I T E R A L O A U A E D M S - T I - - S
- - M S L B B O N S R - H E S A T D U E - Y
E - E N S L A M - C C G N S M T I O T M - R
N V H E S E I E - I I T I P E A O I N G - Y
O O C E L D D R N C A H H L N T T N N E Q H
T L C R A E - A I R P I P - L A I E E U - P
S C I G T B C T Y H B S A R M I I S A - T R
E A N - E L S E Y O C I C G O S T R E U - O
M N O - O A Y L L H C H E - S M T E F D - P
I O T V L A L L I C E P - - - Z A F - - N L
L - U C L I T S E R P E N T I N I T E - L A
- - L C T E T R T L A O C T D Y K E E I - -
- - P E O R B B A G - - E L A V A - S M - -

Minerals and their Properties I solution


T E T I M O R H C E T A G A E T I R O L H C - -
E A - Z L A T S Y R C S E C T I L E - - E - D C
S T S - E V E R M I C U L I T E - - G T E U E I
- P I T C O - T - G A L E N A - - Y I G C T - L
D - H V E I L M A G N E T I T E P G A T I - - L
I - - A O E T I - L - - I - - S U V I N B - E A
A - - R L C T E T - C F R E U A A L O A - S - T
T E M U M E S I N E E O H M T E E D R - A Y E E
O T A O - A R U M G S R P - L I O I E L H T L M
M I L D P M G I M O A M E C - H T T C T R A - -
I R A O Y I E N T - L M N - R E I O R A D B M K
T Y C - R C P E E E C O - - E L H A H I O A A G
E P H P O A I D - S O L D T R T E E O R S E - L
C O I Y X H D A - - I - I E R R D Y N S R C - A
I C T R E P O J - M G T P O A R R I I T O Y - S
N L E O N Y T R O - A - E P I T T V S L - - P S
N A O P E R E N N M L - S T O E E - O - - - - Y
A H P H - I I - E B P D E B - E R U T C A R F -
B C A Y - T - H - O L I V I N E R R E V L I S -
A - L L E E - - - E - E A R S E N O P Y R I T E
R C A L C I T E F G A R N E T G E T I T O I B -
- - S I D E R I T E - - - D - O - A Z U R I T E
- S O T S E B S A - - - - - E L - Z T R A U Q -
- - - E - E L O B I H P M A - D - - L U S T R E

Minerals and their Properties II solution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O I I L I T T O M A E O S O O E U R P - I T O A
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T G - N L L E H D I S Y I G E A E E T N D A O I
I A - I E N A L P E C R P N N M B - E I E S I T
T M T E G L O G - M E T I R D E H A R T E T D E
O E - A T G B - I D A V R A - H S A R E - E A L
I E M - K I - N I O I A G A - - S I - I E - L U
B L - - - A L S R L C A R M B B E - T T T E Y S
L I E L - E E L O O T L I S E A E T I E T E S T
I T T A D T C R Y E H C A S E R N R I I O - S R
M C I T I I L H T H A L T S U N Y N C M D - A E
O U M S A R E O E S P O A T E P O L I - O - L -
N D O Y T U A D P - S O C P O - A P E C U R G -
I - L R O Z V O I - - A R C O C - - Y T R - H -
T - O C M A A N D - R - L Y - C H L O R I T E C
E - D - I - G I O F - A - - P - C L A T I R - -
- - - - T - E T T - H - - P E R L I T E - T Y -
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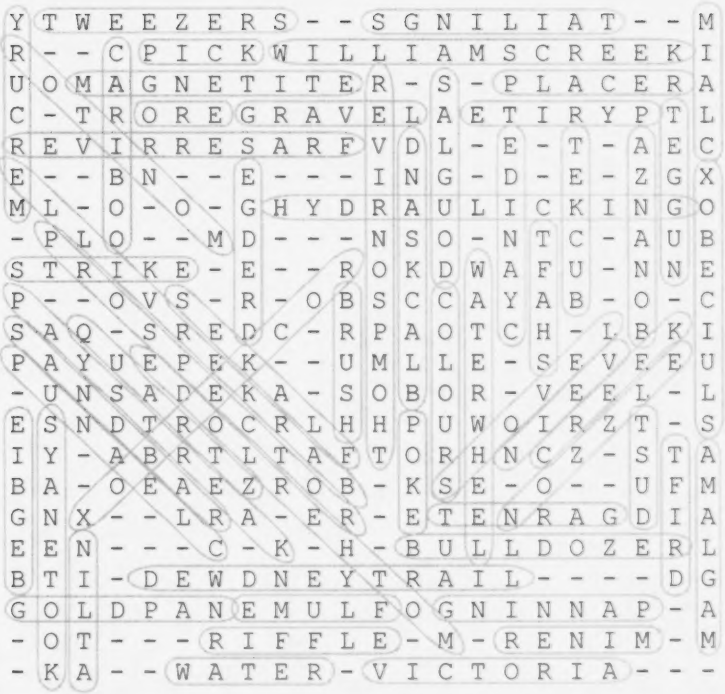
Gold in B.C. I
solution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C - T R O R E G R A V E L A E T I R Y P T L
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E - - B N - - E - - - I N G - D - E - Z G X
M L - O - O - G H Y D R A U L I C K I N G O
- P L O - - M D - - - N S O - N T C - A U B
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P - - O V S - R - O B S C C A Y A B - O - C
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- U N S A D E K A - S O B O R - V E E L - L
E S N D T R O C R L H H P U W O I R Z T - S
I Y - A B R T L T A F T O R H N C Z - S T A
B A - O E A E Z R O B - K S E - O - - U F M
G N X - - L R A - E R - E T E N R A G D I A
E E N - - - C - K - H - B U L L D O Z E R L
B T I - D E W D N E Y T R A I L - - - - D G
G O L D P A N E M U L F O G N I N N A P - A
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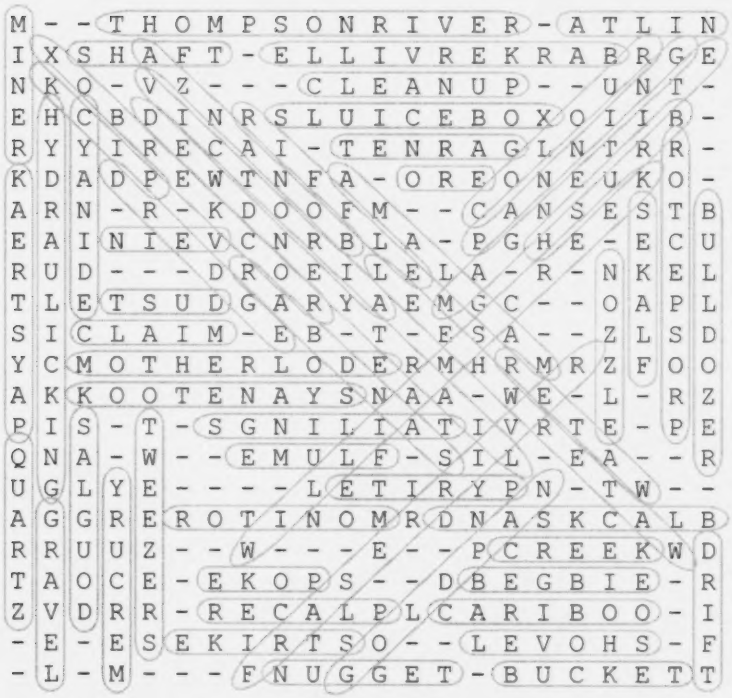
Gold in B.C. II
solution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E H C B D I N R S L U I C E B O X O I I B -
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A R N - R - K D O O F M - - C A N S E S T B
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A K K O O T E N A Y S N A A - W E - L - R Z
P I S - T - S G N I L I A T I V R T E - P E
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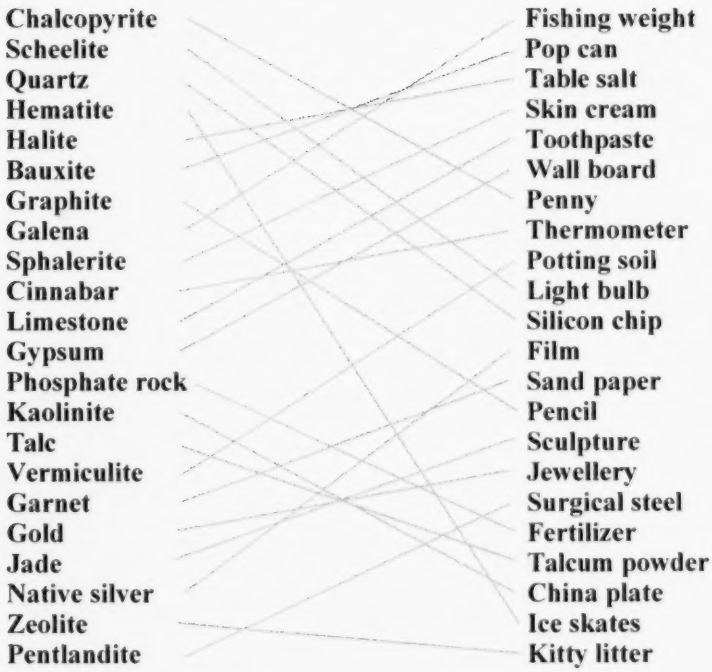
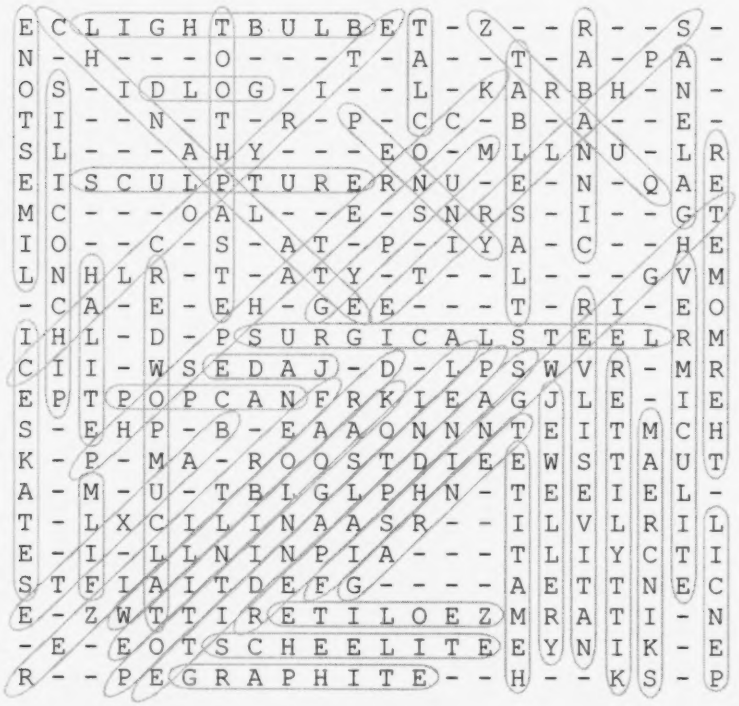
Minerals 'R Us

Solution



Minerals R Us wordsearch solution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